

having an internal profile which is non-circular, such that, in cross-section, the internal profile has a length that is at least 10% longer than the circumference of the smallest circle which encompasses the entire internal profile.

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58. (New) The centrifugally cast tube as recited in claim 57, wherein said profile is symmetrical.

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59. (New) The centrifugally cast tube as recited in claim 58 wherein said profile is essentially sinusoidal.

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60. (New) The centrifugally cast tube as recited in claim 59, in which said sinusoidal profile has a pitch comprising the circumference of said smallest circle divided by the number of peaks of the profile, the ratio of said pitch to the amplitude of said sinusoidal profile being between 2 and 4.

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61. (New) The centrifugally cast tube as recited in claim 60, wherein said ration of said pitch to said amplitude is approximately 3.

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62. (New) The centrifugally cast tube as recited in claim 57, in which said tube has an as-cast grain structure across its section.

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63. (New) The centrifugally cast tube as recited in claim 62, in which said tube has a macrostructure comprising radially directed columnar grains across its entire section.

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64. (New) The centrifugally cast tube as recited in claim 62, wherein said tube has a macrostructure comprising radially directed columnar grains in an outer layer and equiaxed grains in an inner layer, said smallest circle lying in said inner layer.

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65. (New) The centrifugally cast tube as recited in claim 57, wherein said mean 100,000 hour stress rupture value is more than 10 Mpa at 1000°C.

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66. (New) The centrifugally cast tube as recited in claim 58, wherein said mean 100,000 hour stress rupture value is more than 10 Mpa at 1000°C.